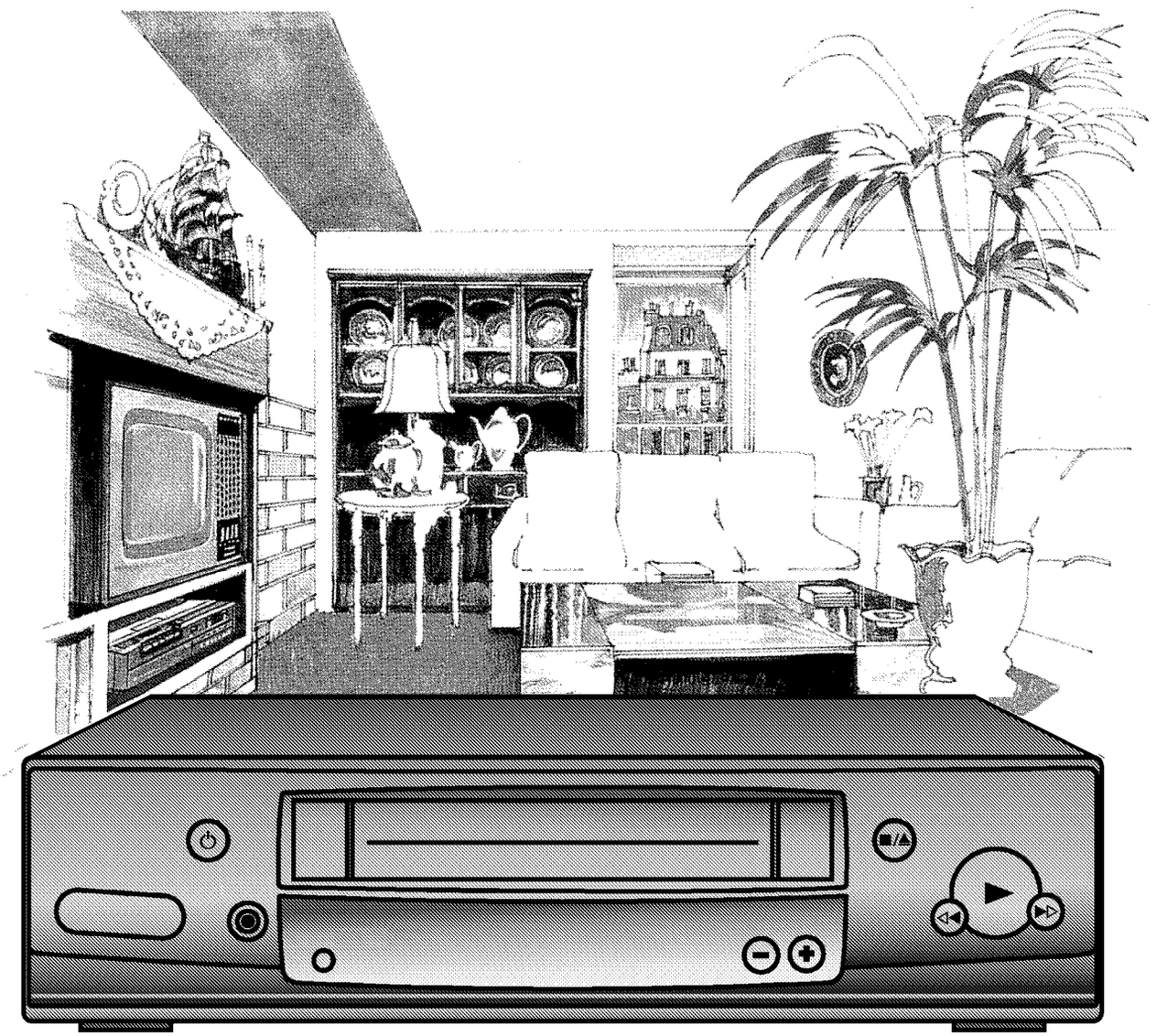
HITACHI

Videorecorder

VTFX940EUKN

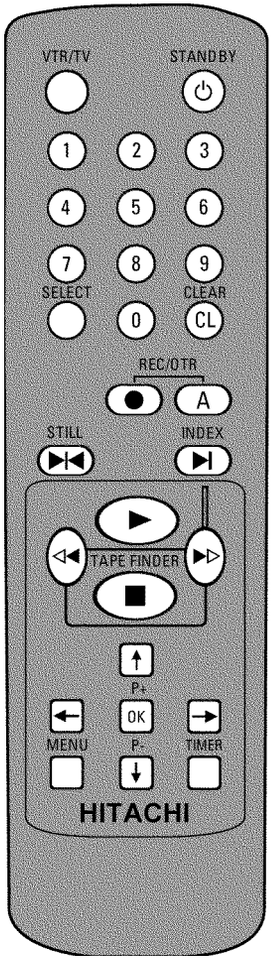
Operating instructions



VHS

OPERATING INSTRUCTIONS IN BRIEF

The remote control



VTR/TV **TV monitor** : To switch between TV reception and VCR playback

STANDBY ⏻ **Switch on or off** : To switch set on or off, interrupt menu function, interrupt a programmed recording (TIMER)

0-9 **Number buttons**: 0 - 9

SELECT **Select**: To select a function

CLEAR (CL) **Delete** : To delete last entry or clear a programmed recording (TIMER)

REC/OTR ● **Record**: To record the programme selected. Press REC/OTR ● and REC/OTR A at the same time

REC/OTR A **Button to activate recording**

STILL ▶|◀ **Still picture** : To stop the tape and show a still picture

INDEX ▶| **Index search**: In combination with ◁◀ / ▶▷ : to search for previous or next recording on the cassette.

▶ **Playback** : To play a cassette

◁◀ **Rewind** : During STOP and STANDBY: rewind, during PLAYBACK: reverse scanning

▶▷ **Forward wind**: During STOP and STANDBY: forward wind, during PLAYBACK: forward scanning

■ **Pause/Stop**: To stop the tape, except during TIMER-recording

↑P+ **Select**: To select the next line or programme number

← **Select**: Cursor left

OK **Store/Confirm**: To store or confirm entry

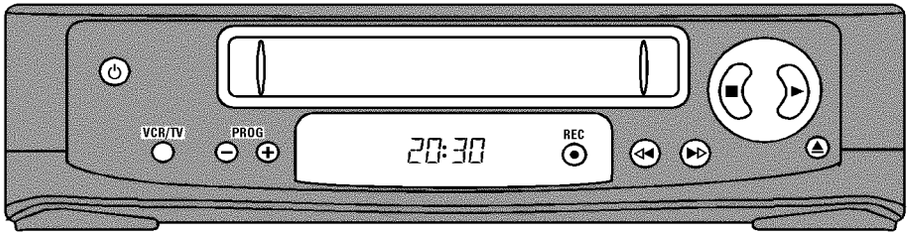
→ **Select**: Cursor right

MENU **Menu** : To call up or end main menu

P-↓ **Select**: To select the previous line or programme number

TIMER **TIMER**: To make a TIMER programming with VIDEO Plus+ or to alter or clear a programmed TIMER

Front of the set



⏻ **Standby** : To switch off or on, interrupt a function, interrupt a programmed recording (TIMER)

VCR/TV **TV monitor** : To switch between TV reception and VCR playback

PROG − **Select**: One line or programme number down.

PROG + **Select**: One line or programme number up.

REC ● **Record**: To record the programme selected

◁◀ **Rewind** : During STOP and STANDBY: rewind, during PLAYBACK: reverse scanning

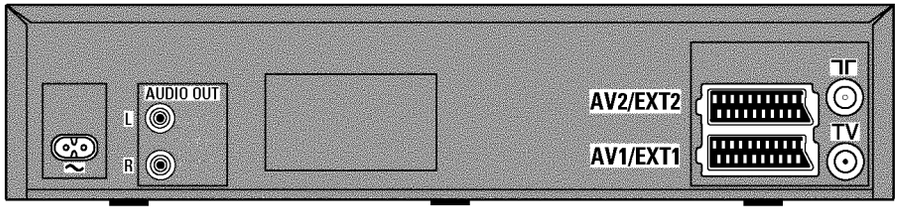
▶▷ **Forward wind**: During STOP and STANDBY: forward wind, during PLAYBACK: forward scanning

■ **Pause/Stop, eject cassette**: To stop the tape and eject the cassette

► **Playback** : To play a cassette

▲ **Eject**: To eject a cassette

Back of the set



~ **Mains socket**: To connect the mains cable

AUDIO OUT L R **Audio output socket, left/right** : To connect a HiFi-set

AV2 EXT2 **Scart socket 2**: To connect a satellite receiver, decoder, video recorder, etc. (programme number '22')

AV1 EXT1 **Scart socket 1**: To connect the TV set (programme number '1')

Aerial input socket: To connect the aerial cable

TV **Aerial output socket**: To connect the TV set

OPERATING INSTRUCTIONS HITACHI VT-FX940EUKN

Thank you for buying a HITACHI video recorder. The VT-FX940EUKN is one of the most sophisticated and simple-to-use video recorders (VCR) on the market. With this VCR you can record and play VHS-standard cassettes.

Please take the time to read this operating manual before using your video recorder.

Safety instructions and other notes

Danger: High voltage!
Do not remove the top cover as there is a risk of an electrical shock!

The video recorder does not contain any components that can be repaired by the customer. When the video recorder is connected to the power supply there are some components that are constantly operational. To switch off the video recorder completely you must disconnect it from the power supply.

Make sure that air can circulate freely through the ventilation slots on the video recorder.

Make sure that no objects or liquids enter the video recorder. If liquid is spilt into it, disconnect the video recorder immediately from the power supply and call the After-sales Service for advice.

The video recorder should **not be used immediately after transportation** from a cold to a hot area or vice versa, or in conditions of extreme humidity.
After unpacking the video recorder, it should be allowed to **acclimatize for at least three hours** before installation.

This operating instruction has been printed on nonpolluting paper.

Deposit old batteries at the relevant collection points.

Please make use of the facilities available in your country for disposing of the packaging of the video recorder in a way that helps to protect the environment.

This electronic equipment contains many materials that can be recycled. Please inquire about the possibilities for recycling your old set.

- VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under licence from Gemstar Development Corporation.

So that you can identify your machine in the event of theft, enter the serial number (PROD.NO) here. The serial number is printed on the type plate fixed at the rear of the set.

MODEL NO.	**VT-FX940EUKN**
PROD.NO:	

This product complies with the requirements of the Directive 73/23/EEC + 89/336/EEC + 93/68/EEC.

Interference

The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and ITC programmes where these are being spoilt by interference.
If your dealer cannot help, ask at a Main Post Office for the booklet 'How to Improve Television and Radio Reception'.

Technical information

Voltage : 220-240V/50Hz
Power consumption : 16W
Power consumption (Standby) : less than 4W (clock display off)
Winding time: approx. 100 seconds (Cassette E-180)

Measurements in cm (W / H / D): 38.0 / 9.3 / 26.0
Number of video heads : 4
Number of audio heads (HIFI): 2
Recording/Playback time: **4 Hours** (Cassette E-240)
8 Hours (LP) (Cassette E-240)

List of accessories

- Operating instructions
- Remote control and batteries
- Aerial cable
- Mains cable
- Quick install guide

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1. CONNECTING YOUR VIDEO RECORDER

Important note

This machine is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug, please follow these instructions.

1. Take off the fuse cover and take out the fuse.
2. Put in a new fuse which should be a BS1362 3A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the plug fitted is not suitable for your socket, cut it off and fit another type.
If the plug you fit contains a fuse, it should be a 3Amp fuse. If you fit a plug which does not need a fuse, make sure the fuse on your fuse box is not greater than 5 Amps.

Note: Note: Please destroy the plug you have cut off so that it cannot be used in a 13 Amp socket somewhere else.

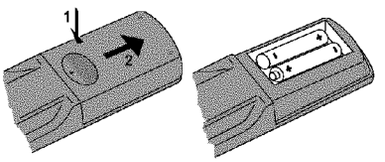
How to connect a plug
The wires in the lead from the video recorder are coloured as follows.
* Blue - 'neutral' ('N').
* Brown - 'live' ('L').

4. Connect the blue wire to the terminal in the plug which is marked with the letter 'N' or coloured black.
5. Connect the brown wire to the terminal in the plug which is marked with the letter 'L' or coloured red.
6. Do not connect either of the wires to the terminal in the plug which is marked with the letter 'E', the symbol ⏚ or coloured green or green and yellow.

Before you refit the plug cover, make sure that the grip at the bottom of the plug is clamped over the plastic cover of the lead, not just over the two wires.

Placing the batteries in the remote control

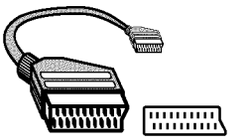
1. Open up the battery compartment of your remote control and place the batteries in it as shown in the picture.



2. Close the battery compartment.

Connecting your video recorder to the TV set

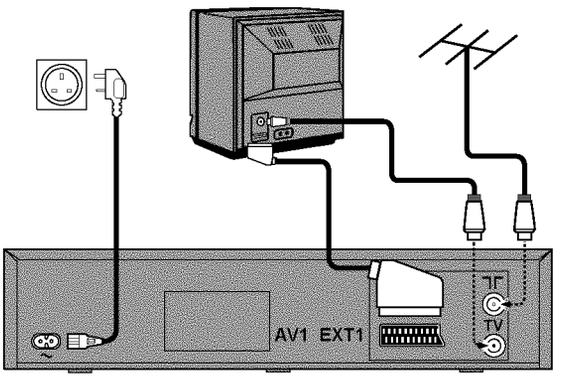
We recommend the use of a scart cable. This will give you the best picture and sound quality.



If you install your video recorder for the first time, select one of the following options:

- **'Connecting with a scart cable'**
  If your TV set has a scart socket and you are using a scart cable.
- **'Connecting without a scart cable'**
  If you are not using a scart cable.

Connecting with a scart cable



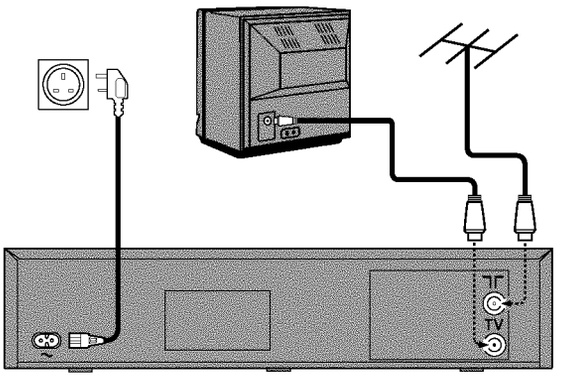
1. Switch off the TV set.
2. Remove the aerial cable plug from your TV set and insert it into the socket at the back of the video recorder.
3. Plug one end of the aerial cable provided into the TV socket on the video recorder and the other end into the aerial input socket on your TV set.
4. Plug one end of the scart cable into the AV1 EXT1 scart socket at the back of the video recorder and the other end into the suitable scart socket on your TV set (see instruction manual TV set).
5. Switch on the TV set.
6. Insert one end of the mains cable into the mains socket ~ at the back of the video recorder and the other end into the wall socket.

7 If your TV set **automatically switches** to programme number e.g.: 'EXT', '0', or 'AV', this text will appear on the TV screen:

Note: If your TV set does not switch to programme number e.g.: 'EXT', '0', or 'AV' automatically, select the programme number for the video recorder manually (see instruction manual TV set).

8 When the TV has been tuned read the paragraph 'Initial installation' in the chapter 'INSTALLING YOUR VIDEO RECORDER'.

Connecting without a scart cable



1 Switch off the TV set.

2 Remove the aerial cable plug from your TV set and insert it into the [⊓] socket at the back of the video recorder.

3 Plug one end of the aerial cable provided into the [TV] socket on the video recorder and the other end into the aerial input socket on your TV set.

4 Insert one end of the mains cable into the mains socket [~] at the back of the video recorder and plug the other end into the wall socket.

5 Switch on your TV set and select the programme number that you have chosen for video playback (see instruction manual TV set).

6 Tune in the TV set until this picture appears.

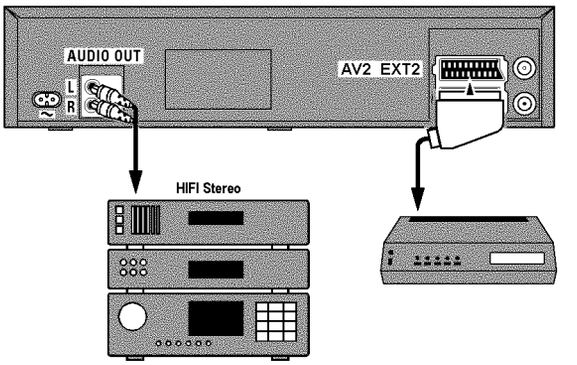
Note: The video recorder will now transmit on channel 35 or 583MHz.

Note: If the picture quality of TV channels on your TV is poor, please read the section 'Reducing picture disturbance - optimizing the modulator' in the chapter 'ADDITIONAL FUNCTIONS'.

7 When the TV has been tuned read the paragraph 'Initial installation' in the chapter 'INSTALLING YOUR VIDEO RECORDER'.

Connecting other equipment

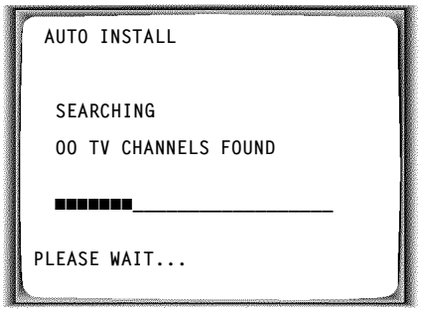
You can connect additional equipment to the [AV2 EXT2] socket. For example: a decoder, a satellite receiver or a camera recorder.
You can connect a hifi-stereo set to the socket [AUDIO OUT L R] (audio output left/right).



2. INSTALLING YOUR VIDEO RECORDER

Initial installation

1. Confirm the picture on the TV screen with [OK] on the remote control. 'Autoinstall' starts. This message will appear:



   Wait until all the TV channels have been found. This can take several minutes.

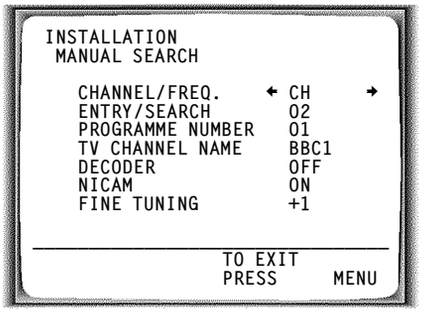
2. When all TV channels have been found, 'STORED' will briefly appear.
   The initial installation is now complete.

Note: Check the time and the date. Read the section 'setting the clock and date' in this chapter.
* If you have connected a satellite receiver, please read the section 'Satellite receiver'.
* If you have connected a decoder, you must install it as described in the next section.

Allocating a decoder

Some TV stations will send coded TV channels, that you can only watch when you use a decoder. You can connect such a decoder (descrambler) to your video recorder. With the following function, the connected decoder will automatically be activated for the TV programme you want to watch.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. On the video recorder, use [↑P+] or [P-↓] or number buttons [0-9] on the remote control to select the programme number you want to allocate the decoder to.
3. Press [MENU] on the remote control. The main menu will appear.
4. Select the line 'MANUAL SEARCH' with [↑P+] or [P-↓] and confirm with [OK].

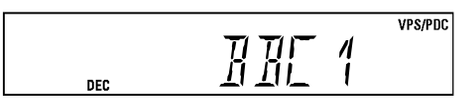


5. Select the line 'DECODER' with [P-↓] or [↑P+].
6. Select function 'ON' with [←] or [→].

Note: When you select 'OFF', the decoder will not be allocated.

7. Confirm with [OK].
8. To end, press [MENU].
   Your decoder has now been allocated to this TV channel.

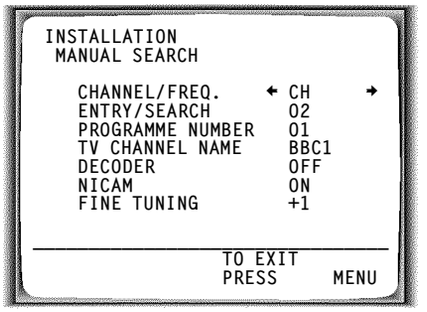
Note: When the function is switched on, 'DEC' will appear in the video recorder display for the TV channel you have selected.



Manual TV channel search

In certain cases the 'Automatic TV channel search' may not be able to find all of the TV channels (e.g. coded TV channels). In that case, use this manual method to set the channels.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU on the remote control. The main menu will appear.
3. Select the line 'MANUAL SEARCH' with P- or P+ and confirm with OK.



4. Select the line 'PROGRAMME NUMBER' with P- or P+.
5. Select the desired programme number (e.g.: 'P01') with ← or →.
6. Enter the channel of the desired TV channel in line 'CHANNEL NUMBER' with the number buttons 0-9.

Note: If you don't know the channel number of the desired TV channel, hold → in line 'CHANNEL NUMBER' to start the automatic search.
Repeat automatic search you until have found the desired TV channel. A changing channel number will appear on the TV screen.

7. If you want to allocate a decoder, in line 'DECODER' select 'ON' with →.
8. This video recorder can receive Hi-Fi sound transmissions in 'NICAM'. However, if sound distortion occurs with poor reception, you can switch 'NICAM' off. To do this, select 'OFF' in line 'NICAM' with → or ←.
9. Press OK to store the TV channel. 'STORED' will briefly appear on the TV screen.

Note: If you want to search for further TV channels, start again at step 3.

10. To end, press MENU.

Satellite receiver

You can receive channels from the satellite receiver via the scart socket AV2 EXT2.
To do this, select programme number 'E 1' with 0 on the remote control and then select programme number 'E2' with P-. You should select the satellite channels on the satellite receiver itself.

Special installation functions

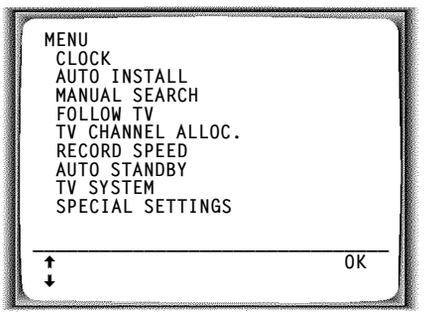
You can select one of the following installation functions in order to adapt the video recorder to your own specific requirements.

Automatic TV channel allocation (Follow TV)

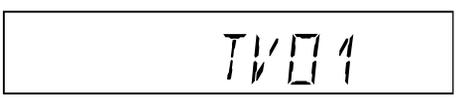
With this function, the video recorder stores the channels in the same order as on the TV set. This only works if the video recorder (socket AV1 EXT1) and the TV set are **connected with a scart cable**.

Note: You must **switch off** any equipment connected to socket AV2 EXT2.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU on the remote control. The main menu will appear on the screen.



3. Select the line 'FOLLOW TV' with P- or P+ and confirm with OK. Take notice of the message on the TV screen.
4. Press OK. 'TV01' will appear in the video recorder display.



5. Select programme number '1' **on the TV set**.

6 Confirm with [OK] on the video recorder-remote control. The video recorder compares the TV channels on the TV set and the video recorder.
When the video recorder finds the same TV channel as the TV set, then it stores it at 'P01'.

Note: When '*NOTV*' (no signal from TV set) appears in the display, the TV channels can not be allocated automatically. In this case, read paragraph: 'Manual TV channel allocation'.

7 Wait until e.g.: '*TV02*' appears.

8 Select the next programme number, e.g.: '2' **on the TV set**.

9 Confirm with [OK] on the video recorder-remote control.

Note: If you have allocated the wrong TV channel, you can go back one step with [CLEAR (CL)].

10 Repeat steps 7 to 10 until all TV channels have been allocated.

11 To end, press [MENU].

Automatic TV channel search (Autoinstall)

The video recorder will search for all TV channels. It stores TV channels found in the following sequence: BBC 1, BBC 2, ITV, CH 4, CH 5, SKY, others.

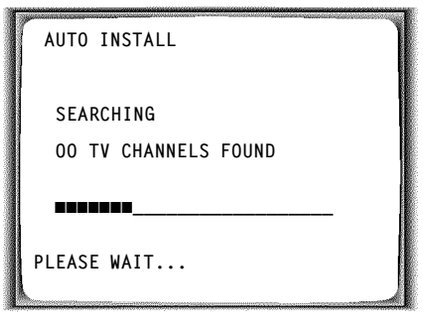
Note: If you want to start the automatic TV channel search again, then follow the instructions below.

1 Switch on the TV set. If required, select the programme number for the video recorder.

2 Press [MENU] on the remote control. The main menu will appear.

3 Select the line 'AUTO INSTALL' with [P-↓] or [↑P+].

4 Press [OK]. The 'Automatic TV channel search' starts.



Wait until all TV channels have been found. This can take several minutes.

5 When Autoinstall is complete, 'STORED' will briefly appear on the TV screen.
The time and date information have been set.

6 To end, press [MENU].

How to search for a TV channel manually, you can read in the section 'Manual TV channel search'.

Monitor function

You can switch backwards and forwards between TV picture and video recorder picture with [VTR/TV]. But this only works when you use a scart cable to connect the video recorder to your TV set and if your TV set responds to this switch-over. You can also use [VCR/TV] on the video recorder.

Sorting and clearing TV channels manually

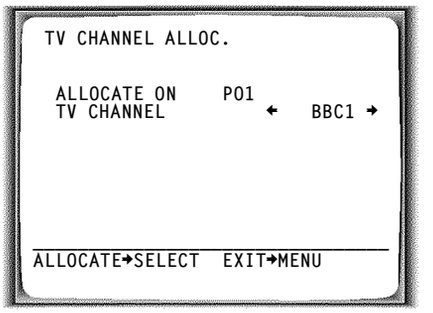
You can assign any programme number to a TV channel that you have stored and you can also delete unwanted TV channels.

1 Switch on the TV set. If required, select the programme number for the video recorder.

2 Press [MENU] on the remote control. The main menu will appear.

3 Select the line 'TV CHANNEL ALLOC.' with [P-↓] or [↑P+].

4 Confirm with [OK].



5 With [→] or [←], select the TV channel you want to assign a programme number to (starting with 'P01').

Note: If you want to delete a TV channel, press [CLEAR (CL)].

6 Confirm with [SELECT]. The following message will briefly appear on the TV screen: e.g.: 'BBC1 ALLOCATED ON P01'.

Note: When you have assigned a programme number to the last TV channel, you will automatically return to the main menu when you confirm with [SELECT]. To end, press [MENU].

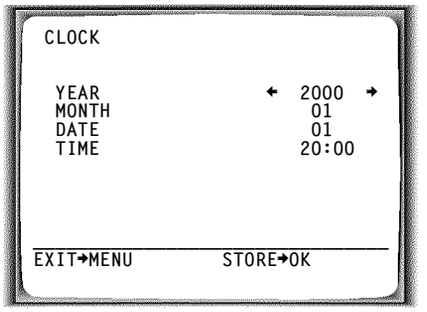
7. Repeat steps 5 to 6 until you have given a programme number to all TV channels.
8. Confirm with [OK].
9. To end, press [MENU].

Setting the time and date

Note: If a TV channel which transmits TXT/PDC is stored under programme number 'P01', time and date will automatically be taken from the TXT/PDC information.

If the time in the video recorder display is not correct or if '--:--' appears in the display, please set the clock manually.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press [MENU] on the remote control. The main menu will appear.
3. Select the line 'CLOCK' with [P-↓] or [↑P+] and confirm with [OK].



4. Check the year in line 'YEAR'. If required, please change the year with the number buttons [0-9] on the remote control.
5. Select the next line with [↑P+] or [P-↓].
6. Check 'TIME', 'MONTH' and 'DATE' in the same way.
7. When all information is correct, confirm with [OK]. This will appear in the display: 'STORED'
8. To end, press [MENU].

3. IMPORTANT NOTES FOR OPERATION

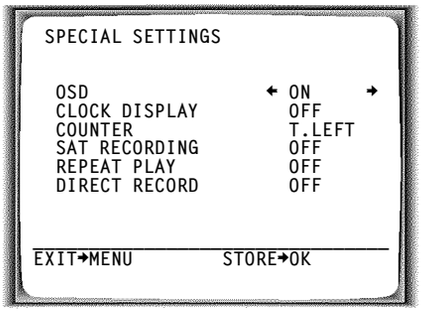
General information

Note: You can switch on with STANDBY ⏻, the number buttons 0-9 or by putting in a cassette.
* If you have not used the video recorder for a few minutes, it will switch to standby automatically. For more information, please read the section 'Automatic switch-off' in chapter 'additional functions'.
* If you have switched the video recorder off with STANDBY ⏻, the time will show in the display, for instance , '18:00'.
If the clock has not been set, '--:--' will appear.
* When the video recorder is switched off and the time isn't shown in the video recorder display, the clock display may be switched off. You will find more information in the section 'Saving energy'.
* Keep your video recorder connected to the mains at all times to ensure that programmed recordings can be made and that the television works normally. Your video recorder uses less than 4 Watts (with clock-display switched off).
* If the video recorder is not plugged into the mains, it will usually store TV channels for one year and timer and date information for three hours.

Saving energy

To save energy, you can switch off the clock display on the video recorder. Programmed (TIMER) recordings will take place even if the clock display has been switched off.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU on the remote control. The main menu will appear.
3. Select the line 'SPECIAL SETTINGS' with P-↓ or ↑P+ and confirm with OK.



4. To switch off the clock display on the video recorder, select 'OFF' in line 'CLOCK DISPLAY' with →.

Note: To switch the clock display on, select 'ON'.

5. Confirm with OK.
'STORED' will briefly appear on the TV screen.
6. To end, press MENU.

Emergency interrupt

You can use STANDBY ⏻ on the video recorder or the remote control to interrupt any function.
So if you are having operating problems, you can just interrupt the function and start again.
And you can practise operating your set without any worries. No matter which buttons you press, you cannot damage it.

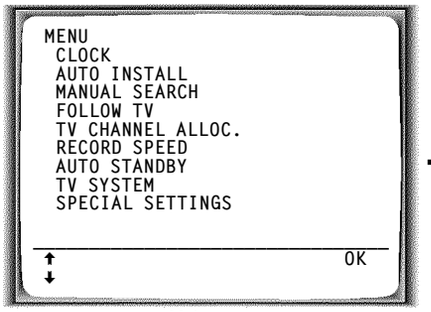
The symbols on your video recorder display

These symbols can light up on your video recorder display:

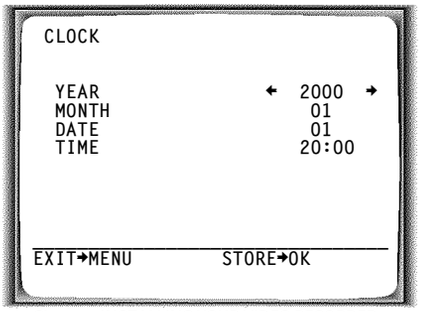
	This is where the current operating mode is shown as a symbol.
LP	When you have switched on the LP (Long Play) function or when you play a tape that has been recorded in LP (Long Play).
	When you have switched on the child lock.
	When a satellite recording has been programmed.
DEC	When a decoder has been allocated to the TV channel you have currently selected.
	When you play a cassette that has been recorded with hifi sound, or when a hifi sound is transmitted.
	When you are making a recording.
	When you have programmed a recording or when a programmed recording is being made.
D	When you are programming daily recordings.
W	When you are programming weekly recordings.
	When you have put a cassette in the video recorder.
DATE	When the date of the programmed recording is shown.
START	When the start time of the programmed recording is shown.
PROG.	When the programme number of the programmed recording is shown.
END	When the end time of the programmed recording is shown.
VPS/PDC	Video Programming System / Programme Delivery Control: when a VPS or PDC code is being transmitted.
	Display of programme number / tape position / channel name / function.
	Tape position in seconds, but only if the display mode 'LINEAR' has been selected.

Summary of user guide

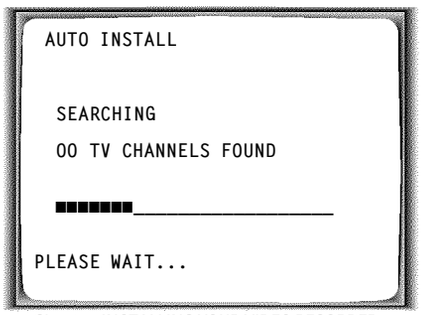
The OSD menu offers the following functions. More details on each can be found in the appropriate chapter.



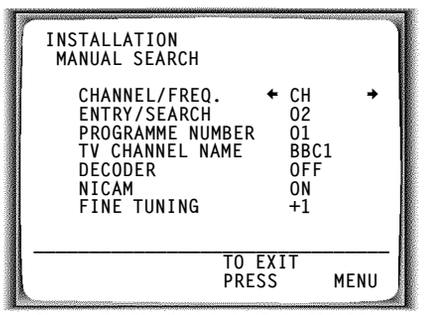
Main menu



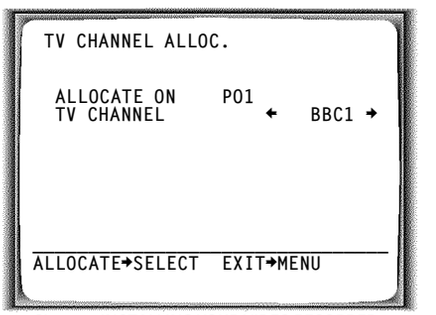
Chapter: INSTALLING YOUR VIDEO RECORDER - 'Setting the date and time'



Chapter: INSTALLING YOUR VIDEO RECORDER - Automatic TV channel search



Chapter: INSTALLING YOUR VIDEO RECORDER - Manual TV channel search

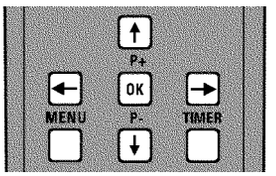


Chapter: INSTALLING YOUR VIDEO RECORDER - Sorting and clearing TV channels manually

User guide (OSD)

The OSD (On-screen display) shows the various functions in the form of a menu on the television screen. You can then choose the settings you require. There is a summary of the menus on this page. The main button functions are displayed in a help line along the bottom of the screen.

- **To call up or close the menu:** with MENU.
- **To select a line:** with P- or P+.
- **To enter or change your selection:** with the number buttons 0-9 or with ← or →.
- **To cancel:** with STANDBY.
- **To save or confirm:** with OK.
- **To close the main menu:** with MENU.

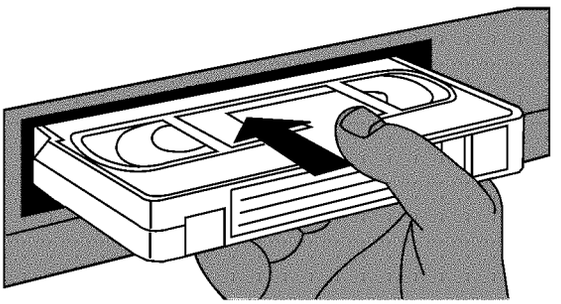


Note: The summary of the OSD (On-screen display) menus on this page should help you select the various functions. The OSD text shown on your TV screen may sometimes slightly differ from the OSD text shown in this manual.

4. PLAYBACK FUNCTIONS

Playing a cassette

1. Put a cassette into the cassette slot. '📼' will appear on the display.



2. Press the ▶ button.
   This will, for example, appear in the display.

3. To stop, press the ■ button.
4. To eject the cassette, press ⏏ on the video recorder when the video recorder is in STOP mode.

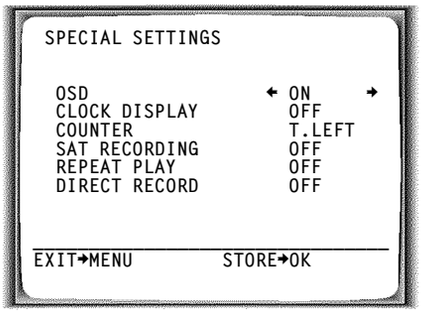
Note: Some hired cassettes may have a poor picture or poor sound quality. This is not a fault in your machine. Please read 'Eliminating picture interference'.
* Some functions switch off automatically after a while (for example, pause, still picture, picture search). This helps to protect the cassette and avoids wasting power.
* For playback, the correct recording speed will automatically be selected. Please read the section 'Selecting the recording speed (SP or LP)' in the chapter 'MANUAL RECORDING'.

Tape position indication

When playing a tape, by pressing the OK button, you can show the present tape position on the TV screen.

You have a choise of selecting 'LINEAR' or 'T.LEFT'.
- 'LINEAR' will show the tape position in hours, minutes and seconds.
- 'T.LEFT' will show the actual amount of playing/recording time left on the tape in hours and minutes.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU on the remote control. The main menu will appear.
3. Select the line 'SPECIAL SETTINGS' with P+ or P- and confirm with OK.



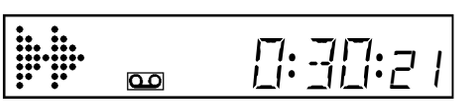
4. Select the line 'COUNTER' with P+ or P-.
5. Select 'LINEAR' or 'T.LEFT' with ← or → and confirm with OK.

Note: The counter 'LINEAR' will be set to '0:00:00' when you put a cassette in the machine. You can also reset the tape position to '0:00:00' when you press CLEAR (CL).
* If you rewind a cassette from the tape position '0:00:00', the counter 'LINEAR' will show for instance, '-0:01:20' (the cassette will be rewound to 1 minute and 20 seconds before '0:00:00').
* If there is an empty space on the tape, the counter 'LINEAR' will stop running.
* The counter type 'T.LEFT' will automatically recognise the length of the tape.
When you put in a cassette the video recorder must first calculate the time played. Therefore, '-:--' appears first and only after the tape has been running for a few seconds the playing time will be shown.

6. To end, press MENU.

Searching for tape position with the picture (picture search)

1. While a cassette is playing, press ◀◀ (reverse) or ▶▶ (forward) once or several times.
   This will, for example, appear in the display.

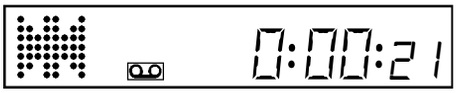


2. To stop a certain place on the tape, press ▶.

Note: During picture search, the picture quality may not be so good and there will be no sound.

Still picture/Slow motion

1. Press [STILL ▶◀]. A still picture will appear on the screen.
   This will, for example, appear in the display.

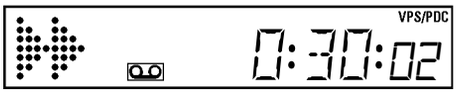


2. Each time you press [STILL ▶◀] again, the picture will move on one step.
3. When you hold [STILL ▶◀], the tape will be played in slow motion.
4. When you press [▶▷] several times, you have a choice of several playback speeds.

Note: During slow motion there will be no sound.

Searching for tape position without the picture (wind and rewind)

1. Stop the tape with [■].
2. Press [◁◀] (reverse) or [▶▷] (forward).
   This will, for example, appear in the display.



3. To stop a certain place on the tape, press [■].

Easy View

With this function you can switch to picture search during wind and rewind.

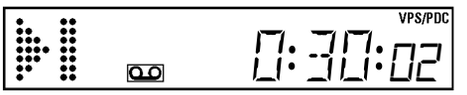
1. If you hold [◁◀] (rewind) or [▶▷] (wind) during wind or rewind, you will switch to picture search.
2. When you release the button, the video recorder will automatically switch back to rewind or wind.

Tape Finder

Automatic search for a tape position (index search)

At the start of each recording, the video recorder will write an index code on the tape.

1. Press [INDEX ▶I] and then [▶▷] button to select the next code mark or [INDEX ▶I] and then [◁◀] for the previous code mark.
   This will, for example, appear in the display for the next index code.

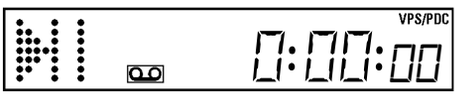


2. When the video recorder finds the code mark, it will automatically switch to play.

Automatic search for a blank space on the tape

You can search for a space on the tape (at least 1 minute of blank tape) for a new recording, for example, after an existing recording on the tape.

1. Press [INDEX ▶I]. Then press [■].
   This will, for example, appear in the display.



2. When the video recorder find a blank space, it will automatically switch to 'pause'.

Note: If no empty space has been found when the end of the tape is reached, the cassette will be ejected.

Skipping commercials automatically

With this function you can skip 120 sec. on the tape.

1. Press [▶] while the tape is playing.
2. The video recorder will wind the tape 120 seconds and will then switch back to playback.

Note: If the commercial is still on, you can press [▶] again.
* If you press [▶] while you are winding the tape, the video recorder will switch back to playback.

Picture interference

If the picture quality is poor when you play a cassette, please follow these instructions.

Tracking during playback

1. While a cassette is playing, hold P- or P+ until the picture quality is at its best.
   'TRAC' (tracking) will appear on the display.
2. Wait a few seconds, until 'TRAC' disappears from the display. These picture settings will not change until you eject the cassette.

Tracking during still picture

If the still picture vibrates vertically, you can improve the still picture as follows:

1. During still picture, hold P+ or P- until the picture quality is at its best.
   'JITT' will appear in the display.
2. When you release the button, 'JITT' will disappear. The video recorder will store these settings automatically.

Note: Please note, however, that interference may still occur with poor quality cassettes.

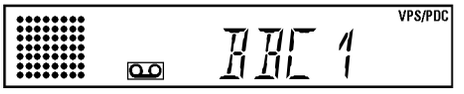
5. MANUAL RECORDING

Use 'Manual Recording' to make a spontaneous recording (for example, a programme currently being shown).

- If you want to start and stop a recording manually, read the section **'Recording without automatic switch-off'**.
- If you want to start a recording manually but have it stopped automatically, read the section **'Recording with automatic switch-off'**. This is important if you, for instance, don't want to record to the end of the cassette.
- Read the section **'Direct record'** if you want to record a programme currently being shown.
- Read the section **'Automatic recording from a satellite receiver'**, if you want a recording to be controlled automatically by a satellite receiver.

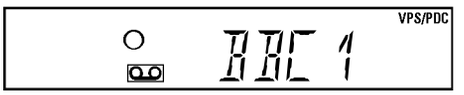
Recording without automatic switch-off

1. Insert a cassette.
2. Use [P+] or [P-] to select the programme number you want to record, for example, 'P01'. This will appear on the display:



Note: When a TV channel transmits a channel name, it will show on the video recorder display.
* Programme numbers 'E 1' and 'E2' are for recording from other sources (through scart sockets [AV1 EXT1] and [AV2 EXT2]).

3. To start recording, press [REC/OTR ●] and [REC/OTR A] on the remote control at the same time or [REC ●] on the video recorder. This will, for instance, appear in the display.



Note: With [OK] you can show the tape position in the display.

4. Stop recording with the [■] button.

Recording with automatic switch-off (OTR one-touch-recording)

1. Put a cassette in the machine.
2. Use [P+] or [P-] to select the programme number you want to record.
3. Press [REC/OTR ●] and [REC/OTR A] on the remote control at the same time.
4. Each time you press [REC/OTR ●] and [REC/OTR A] at the same time you will add 30 minutes to the recording time.

Note: To cancel this information, press [CLEAR (CL)].

Protecting your recordings

So that you don't accidentally delete an important recording, remove the special tab on the narrow side of the cassette with a screwdriver or slide the special tab to the left. Later, if you no longer want to protect your recording, you can seal the gap again with sticky tape or slide the special tab to the right.

Auto-assembling

You can use the auto-assembling function to join individual recordings without any major picture disturbance between them.

1. While the cassette is playing, search for the correct position on the tape.
2. Stop the cassette by pressing [■]. '**II**' will appear in the display.
3. Now start recording as usual by pressing [REC/OTR ●] and [REC/OTR A] on the remote control.
4. To stop recording, press [■].

Selecting the recording speed (SP or LP)

You can reduce the recording speed by half. This makes it possible to record, for example, eight-hours instead of four-hours on an 'E240' (four-hour) cassette.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU on the remote control. The main menu will appear.
3. Select the line 'RECORD SPEED' with P- or P+ and confirm with OK.
4. Select the required recording speed with ← or →.

Note: 'LP': **L**ong **P**lay = half recording speed (double recording time).
'SP': **S**tandard **P**lay = normal recording speed.

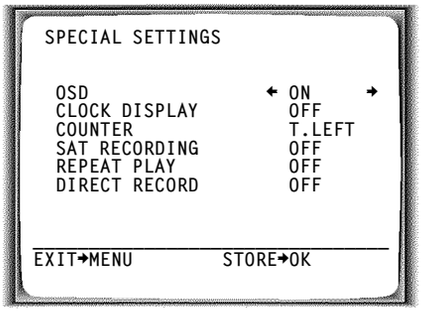
5. Confirm with OK.
6. To end, press MENU.

Note: The picture quality will be adversely affected when recording at half recording speed ('LP').
* For playback, the correct recording speed will automatically be selected.

Automatic recording from a satellite receiver (SAT RECORDING)

You can only use this function, when you have a satellite receiver which can control other equipment by a 'programming' function.

1. Switch on the TV set. If required, select the programme number for the video recorder.
2. Press MENU on the remote control. The main menu appears.
3. Select the line 'SPECIAL SETTINGS' with P- or P+, and confirm with OK.



4. Select the line 'SAT RECORDING' with P- or P+.
5. Select 'ON' with ← or →.

Note: If you want to switch off the function, select 'OFF'.

6. Confirm with OK.
7. To end, press MENU.
8. Put a cassette in the machine.
9. Use a scart cable to connect scart socket AV2 EXT2 on the video recorder to the corresponding scart socket on the satellite receiver.
10. Programme the satellite receiver with the required information (programme number of the TV channel, start time, end time).

Note: The information on how to programme your satellite receiver can be found in the instruction manual of your satellite receiver.

11. Switch off the video recorder with STANDBY ⏻.

The video recorder is now ready to record. The beginning and end of the recording is controlled via scart socket AV2 EXT2.

Note: If this function is switched on '🔕' will appear on the video recorder display.

'Direct Record'

When this function is switched on, the video recorder will automatically record the programme selected on the television by means of a scart cable.

Note: You will find more information on how to switch 'Direct record' on in the next section 'Switching 'Direct Record' on or off'.

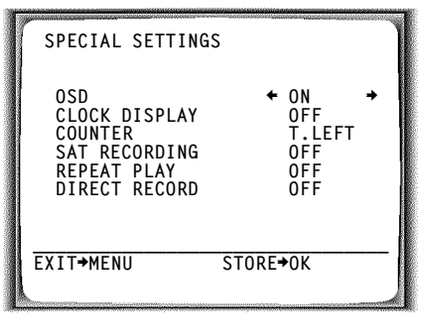
1. On the TV set, select the programme number you want make the recording from.
2. Press [REC/OTR ●] and [REC/OTR A] at the same time with the video recorder **switched off**.

Note: Don't select another programme number on your TV set, until the 'search symbol' on the video recorder display has disappeared. This can take up to one minute.
* If 'NOTV' appears on the video recorder display, this means the video recorder cannot find this programme number. In this case, read the section 'Recording without automatic switch-off'.

3. If you want to stop recording, press [■].

Switching 'Direct Record' on or off

1. Switch on the TV set and select the programme number for the video recorder.
2. Press [MENU] on the remote control. The main menu will appear.
3. Select the line 'SPECIAL SETTINGS' with [P-↓] or [↑P+] and confirm with [OK].



4. In line 'DIRECT RECORD' select 'ON' with [←] or [→].

Note: If you want to switch this function off, select 'OFF'.

5. Confirm with [OK].
6. To end, press [MENU].
7. Switch off with [STANDBY ⏻].

6. PROGRAMMED RECORDING (TIMER)

Use programmed recording to automatically start and stop a recording at a later date.

To make a programmed recording, your video recorder needs to know:

* the date you want to make the recording;
* the programme number for the TV channel you want to record;
* the start and stop time of the recording;

The video recorder stores all the information in a TIMER block. You can programme up to 6 TIMER blocks a month in advance.

'VPS' (Video Programming System) and 'PDC' (Programme Delivery Control)

With 'VPS and PDC', the TV station controls the start time and the length of the recording. This means that the video recorder switches itself on and off at the **right time** even if a TV programme you want to record begins earlier or finishes later than expected.
You must enter the start time **exactly to the minute**.
If you want to programme a time that is different from the VPS or PDC time, you must switch off VPS or PDC.

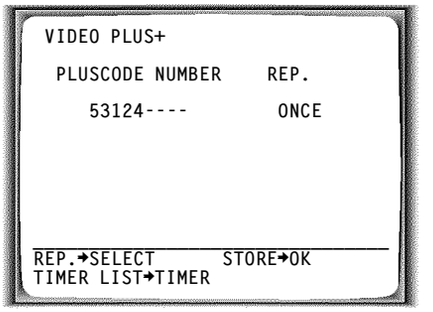
Programming a recording (with 'VIDEO Plus+')

All the information required for a programming is contained in the PlusCode-programming number.

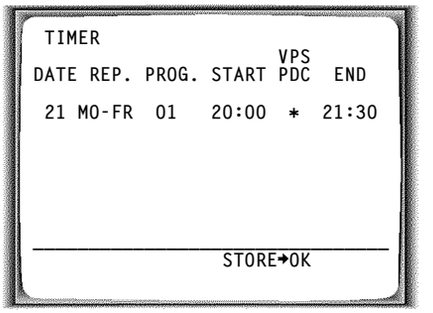
VIDEO Plus+®

1. Switch on the TV set and select the programme number for the video recorder.
2. Press [TIMER] on the remote control.
3. Enter the entire PlusCode programming number (up to 9 digits) printed in your TV guide next to the start time of a TV programme.
   For example, 5-234-89 or 5 234 89
   Enter 523489 for the PlusCode programming number.

Note: If you make a mistake, you can clear your instructions with [CLEAR (CL)].



4. Use [SELECT] to select daily or weekly programming.
   'ONCE': Recording once
   'MO-FR': Recordings every day from Monday to Friday.
   'WEEK.': Recordings every week on the same day of the week.
5. Confirm with [OK]. Your programming details will then appear on the TV screen.



Note: If VIDEO Plus+ does not recognise the TV channel, 'SELECT PROG. NR.' will appear on the TV screen. Select the programme number (channel name) you want with the number buttons [0-9] and confirm with the [OK] button.
* If 'PLUSCODE NUMBER NOT VALID' appears on the TV screen, this means you entered an incorrect PlusCode number or the incorrect date for the recording. The start of the programmed recording must be within the next 7 days. Correct your instructions or end with [TIMER].
* If 'MO-FR PROGRAMMING NOT POSSIBLE FOR WEEKEND' appears on the TV screen, you have programmed a the wrong day for the daily recording. Daily programming can only be used for recordings to be made from Monday to Friday.
* Under 'START', use [SELECT] to switch 'VPS/PDC' on or off. If '*' appears on the screen, the function has been switched on.

6. Confirm with [OK] when the information is correct.

Note: The programming information has been stored in a TIMER block.

7. Make sure that the cassette you have put in can be recorded on.

8. Switch off with STANDBY ⏻.
The programmed recording will only function when the video recorder is **switched off** with STANDBY ⏻.

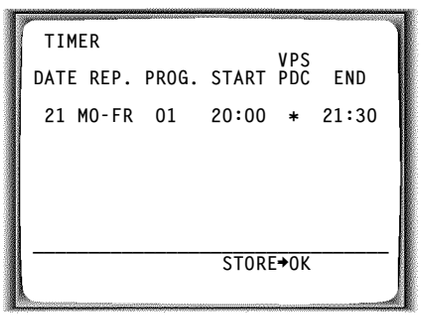
Note: If any of the TIMER blocks are in use, '⏲' will light up on the video recorder display.
* While a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press STANDBY ⏻.
* If the video recorder is switched on a few minutes before a programmed recording is supposed to begin, 'SWITCH TO STANDBY- TIMER RECORDING' will flash on the TV screen.
* If you reach the end of the cassette during a recording, the video recorder will automatically eject the cassette.
* If you forget to load a cassette, 'NO CASSETTE' will appear on the TV screen and '⏲' will flash on the video recorder display.
* If you have put in a cassette which cannot be used for recording, the video recorder will automatically eject it.
* If 'ALL TIMERS OCCUPIED' appears on the TV screen when you press TIMER, you have used up all the available TIMER blocks. If you want to clear or check a TIMER block, select it with P+ or P-.
* Programme numbers 'E 1' and 'E2' are for recordings from other sources (through scart socket AV1 EXT1 or AV2 EXT2).

Programming a recording (without 'VIDEO Plus+')

1. Switch on the TV set and select the programme number for the video recorder.

2. Press TIMER on the remote control **twice** . The free TIMER block will be highlighted.

3. Press TIMER. The information will appear on the screen.



4. With TIMER, → or ← you can select 'DATE' (date), 'PROG.' (programme number), 'START' (start time) and 'END' (end time).
Enter or change your information with P+ or P-, or with the number buttons 0-9.

Note: Under 'DATE', use the SELECT button to select daily or weekly programming.
'ONCE': Recording once
'MO-FR': Recording from Monday to Friday.
'WEEK.': Recording every week on the same day.
* Under 'START', use SELECT to switch 'VPS/PDC' on or off. If '*' appears in the display, 'VPS/PDC' has been switched off.

5. Confirm with OK when the information is correct.

Note: The programming information has been stored in a TIMER block.

6. Make sure that the cassette you have put in can be recorded on.

7. Switch off with STANDBY ⏻
The programmed recording will only function when the video recorder is **switched off** with STANDBY ⏻.

Note: If any of the TIMER blocks are in use, '⏲' will light up on the video recorder display.
* While a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press STANDBY ⏻.
* If you reach the end of the cassette during a recording, the video recorder will automatically eject the cassette.
* If you have put in a cassette that cannot be recorded on, the cassette will be ejected. 'PROTECTED CASSETTE' will briefly appear on the TV screen.
* If the video recorder is switched on a few minutes before a programmed recording is to start, 'SWITCH TO STANDBY- TIMER RECORDING' will flash on the TV screen.
* If you forget to put a cassette in the machine, 'NO CASSETTE' will appear on the TV screen. '⏲' will flash In the video recorder display.
* If 'ALL TIMERS OCCUPIED' appears on the TV screen when you press TIMER, you have used up all the available TIMER blocks. If you want to clear or check a programmed recording (TIMER block), select it with P+ or P-.
* If 'DATA ERROR' briefly appears on the screen, this means that the TIMER information has not been transferred. Please check date, start time and end time of the programmed recording
* Programme numbers 'E 1' and 'E2' are for recordings from other sources (through scart socket AV1 EXT1 or AV2 EXT2).

How to check or change a programmed recording (TIMER)

1. Switch on the TV set and select the programme number for the video recorder.
2. Press TIMER on the remote control **twice**.
3. Select the programmed recording (TIMER) you want to check or change with P-↓ or ↑P+.
4. Press TIMER.
5. Select the entry field with ← or →.
6. Change any information with P-↓ or ↑P+ or with the 0-9 number buttons.
7. Confirm with OK.
8. Make sure that the cassette you have put in can be recorded on. Switch off with STANDBY ⏻.

Note: The programmed recording will only function when the video recorder is **switched off** with STANDBY ⏻.

How to clear a programmed recording (TIMER)

1. Switch on the TV set and select the programme number for the video recorder.
2. Press TIMER on the remote control **twice**.
3. Select the programmed recording (TIMER) you want to clear with P-↓ or ↑P+.
4. Press CLEAR (CL).
   The programmed recording (TIMER) has now been deleted.
5. To end, press MENU.

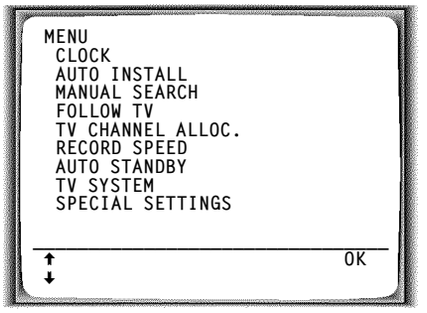
7. ADDITIONAL FUNCTIONS

Switching the TV system

If you play back recordings made on a different kind of tape, the automatic TV system switch-over may lead to colour distortion.
You can manually switch off the TV system for playback or switch off the colour.

Note: You can also switch off the colour for recording.

1. Press [MENU] on the remote control **before you start recording** or **during playback**. The main menu will appear.



2. Select the line 'TV SYSTEM' with [P-↓] or [↑P+] and confirm with [OK].
3. Select the TV system with [←] or [→].

Note: Select 'B/W' with [→] or [←] to switch to black and white picture.

4. Confirm with [OK].
5. To end, press [MENU].

Note: If you change the programme number, the video recorder will switch to 'AUTO' (automatic switchover) again.
* If you eject the cassette, the TV-system for playback will switch to 'AUTO' (automatic switchover) again.

Child lock

This function will prevent unauthorised use of your video recorder. All button-functions will be locked.

Note: You can make programmed recordings while the child lock is on.

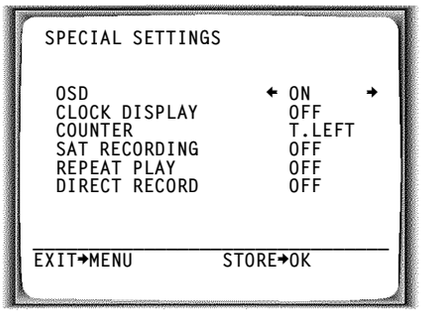
1. With the video recorder switched on, press the [STANDBY ⏻] and the [SELECT] button on the remote control **at the same time** .
'🔑' will appear on the video recorder display.
Keep the remote control in a safe place.
2. If you want to switch off the child lock, press the [STANDBY ⏻] and the [SELECT] button again **at the same time** , with the video recorder switched on.
'🔑' will disappear from the video recorder display.

Note: If you press a button when the child lock is on, the symbol '🔑' will flash on the video recorder display for a few seconds.

Switching the on-screen display (OSD) off or on

You can switch the on-screen display of the current operating information on or off.
Switching off the on-screen display is necessary if you do not want to record the screen-messages when copying cassettes.

1. Switch on the TV set and select the programme number for the video recorder.
2. Press [MENU] on the remote control. The main menu will appear.
3. Select the line 'SPECIAL SETTINGS' with [P-↓] or [↑P+] and confirm with [OK].

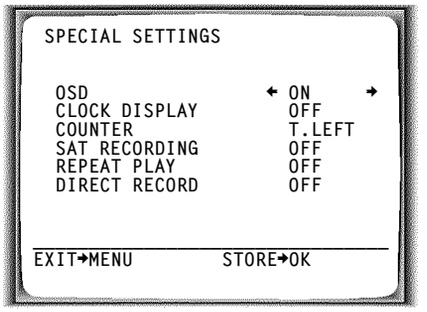


4. In the line 'OSD', select one of the options shown with [→].
'ON': Shows the OSD for a few seconds only.
'OFF': Switches off the OSD.
5. Confirm with [OK].
6. To end, press [MENU].

Continuous playback

You can automatically play a cassette again and again. When the video recorder reaches the end of the tape or the end of the recording, it will rewind and start again.

1. Press [MENU] on the remote control. The main menu will appear.
2. Select the line 'SPECIAL SETTINGS' with [↑P+] or [P-↓]. Confirm with [OK].



3. Select the line 'REPEAT PLAY' with [↑P+] or [P-↓].
4. Select 'ON' with [←] or [→].

Note: If you select 'OFF', continuous playback will be switched off.

5. Confirm with [OK].
   This will appear on the screen: 'STORED'
6. Press [MENU].
7. Put a cassette in the machine.
8. Press [►] to start continuous playback.

Automatic switch-off

If you haven't used the video recorder for a few minutes in certain modes (e.g.: STOP), it will switch to standby automatically. You can cancel this function to use the video recorder as a television receiver.

1. Switch on the TV set and select the programme number for the video recorder.
2. Press [MENU]. The main menu will appear.
3. Select the line 'AUTO STANDBY' with [P-↓] or [↑P+].
4. Select 'OFF' with [←] or [→].

Note: If you select 'ON', the function will be switched on.

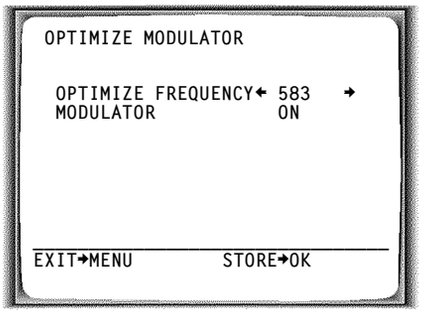
5. Confirm with [OK].
   This message will briefly appear: 'STORED'
6. To end, press [MENU].

Note: A **TIMER recording** only works when the video recorder is **switched to standby**.

Reducing picture disturbance - optimizing the modulator

You may experience picture disturbance if you have not used a scart cable to connect your video recorder and TV. This is because another TV station in your reception area may already be using UHF-channel CH35 or 583MHz. When the video recorder is switched on, the picture quality of some TV channels that you receive on the TV will be poor.
You may optimize the picture quality by changing the modulator frequency (591MHz or UHF channel 36).

1. Switch on the TV set and select the programme number for the video recorder playback (see your TV operating manual).
2. Make sure that there is **no** cassette in the video recorder.
3. Hold [■] on the remote control and [■] on the video recorder at the same time, until, for instance, '*M583*' appears in the display.
   The video recorder will transmit a test picture on UHF-channel 35(or frequency 583Mhz).



4. Select the line 'OPTIMIZE FREQUENCY' with [↑P+] or [P-↓]. Enter the Modulator frequency with the number buttons [0-9].

Note: Press [→]. The automatic channel search starts. When the video recorder finds a 'free' channel, the frequency of this channel will be shown in the display.

5. Tune in the TV set to the new modulator frequency shown in the video recorder display.

6 Confirm with [OK].
'OK' will briefly appear in the video recorder display.

Optimizing the modulator is now complete.

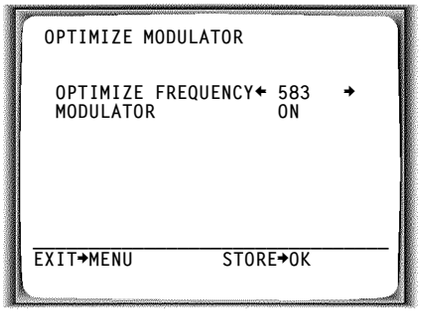
Switching off the modulator

If you cannot clear picture or sound interference, you can switch off the built-in modulator. You can only switch off the modulator if you have connected the video recorder to the TV set with a scart cable. 'Connecting VCR without scart cable' is not possible when the modulator is switched off.

1 Switch on the TV set and select the programme number for the video recorder.

2 Make sure that there is **no** cassette in the video recorder.

3 Press [■] on the video recorder and [■] on the remote control **at the same time** for several seconds, until, for example, 'M583' appears on the video recorder display.



4 Select the line 'MODULATOR' on the TV screen or 'MOD+' in the display with [↑P+] or [P-↓].

5 With [←], select the function 'OFF' on the TV screen or 'MOD-' (modulator off) in the display.

Note: If you want to switch the modulator on again, select 'MOD+' (modulator on) in the video recorder display with [←].

6 Confirm with [OK].

7 To end, press [MENU].

Selecting the sound track

You can select the required sound track. This is of particular interest when the audio transmissions are multilingual.

1 Press [SELECT]. The current settings will appear on the TV screen.

2 By pressing [SELECT] several times you can select from the four possibilities displayed ('STEREO', 'RIGHT', 'LEFT', 'MONO', 'MIXED').

Note: Dubbed sound recordings can be replayed with the 'MONO' or 'MIXED' setting.
'MONO': Dubbed (linear) sound track.
'MIXED': Original sound (hi-fi sound track) together with dubbed sound (linear sound track).
* If the cassette does not have stereo sound recorded on it, the video recorder will automatically switch to mono.

8. Before you call an engineer

If, contrary to expectation, you have any problems using this video recorder, it may be caused by one of the reasons mentioned below.

Your video recorder does not respond to any button being pressed:
- There is no power supply: check the power supply.
- A programmed recording is currently being made: if desired, cancel the programmed recording with STANDBY ⏻.
- Child lock is on: switch the child lock off.
- There is a technical problem: switch off the mains power supply for 30 seconds, then switch it on again. If this does not have any effect, you can:
  1. Switch off the mains power supply again.
  2. Then switch it on **whilst holding down** ⏻ on the video recorder.
  3. Release the button when 'OSD' appears in the video recorder display. All the information stored (TV channels, time and date, TIMER) will be cleared.

Cassette is jammed in the video recorder:
- Don't use force. Pull out the mains plug for a moment.

Remote control does not work:
- Remote control not pointed toward the video recorder: point it at the video recorder.
- There is a technical problem: Take out the batteries, wait for 10 seconds and place them back.
- Batteries have run out: change the batteries.

No picture when you play a cassette:
- There is no recording on the cassette: change the cassette.
- You have selected the wrong programme number on the TV for playing cassette: on the TV, select the correct programme number for the video recorder.
- The cable connecting the TV set and the video recorder has come loose: check the cable.

Poor picture quality when you play a cassette:
- Your TV set is not properly adjusted.
- The cassette badly worn or of poor quality: use new cassette.
- Tracking is not properly adjusted: turn to chapter 'PLAYBACK FUNCTIONS' and read the section 'Tracking during playback'.

The video recorder will not record:
- The TV channel you want to record is not stored or you selected the wrong programme number: check TV channels stored.
- You have loaded a cassette which cannot be recorded on: undo the erase protection on the cassette.

Programmed recording does not work:
- You have not set the TIMER properly: check the TIMER blocks.
- You have programmed the wrong time or date: check time and date.
- You have put in a cassette that cannot be recorded on: undo the erase protection on the cassette.
- 'VPS/PDC' switched on but 'VPS/PDCtime' wrong: enter 'VPS/PDCtime exactly to the minute. Have your aerial checked.
- You have programmed a recording with 'VIDEO Plus+', but the programme number information of the TIMER block is not the programme number you want to record from:
  1. Confirm the PlusCode programming number with OK.
  2. Press TIMER.
  3. Change the programme number displayed in the 'PROG.' entry field.
  4. Confirm with TIMER.

There is picture or sound interference on TV reception:
- Turn to chapter 'ADDITIONAL FUNCTIONS' and read 'Reducing picture disturbance - optimizing the modulator' and 'Switching off the modulator'.
- Have your aerial checked.

9. GLOSSARY

Technical terms used

Current tape position

The part of the tape currently being played.

External source

A device connected via a socket (for example, scart socket) which is transmitting audio/video signals to the video recorder.

Index marking

A marking which is automatically made on the tape at the beginning of every recording. This marking (recording ID) can be searched for with the Index search function.

Scart cable

Also known as a Euro-AV cable. This standard cable is an easy method of connecting various audio and video devices, computer screens and televisions. Other signals in addition to audio and video signals can be transmitted on it.

TV system

There are various systems for transmitting television signals, for example, PAL, SECAM, PAL BG, SECAM DK, SECAM L/L, NTSC etc. The system used by your television depends on which country you are in.

TXT

Also known as Teletext, Fasttext, Videotext, FLOF etc.

OTR

One touch recording (to start recording by pushing just one button). This function enables you to select the switch-off time in intervals of 30 minutes.

Modulator

An electronic component in a video recorder which allows audio and video signals to be transmitted via the aerial cable. Your television receives the signal in the same way as a signal from a television station.

Modulator channel or frequency

This frequency or channel indicates the frequency or channel on which the audio or video signal is transmitted.

UHF frequency range

Channels 21 to 69. The video recorder 'broadcasts' on channel 35/frequency 583 MHz. This frequency or channel can be changed. See the section 'Reducing picture disturbance - 'optimizing the modulator'.

OSD (On-screen display)

The largest possible display area for the video recorder - the screen on your television set.

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For the period of **12 MONTHS** from the date of purchase your product has the benefit of our **FULL PARTS AND LABOUR GUARANTEE** as detailed below.

We undertake to replace or repare any part of the product which fails due to a manufacturing defect within 12 months of the date of purchase provided that:
1) The product has been installed and used only in accordance with the instructions supplied with the product.
2) The product has not been repaired, maintained, or modified by any person other than our authorised Engineer.
3) The product serial number is not removed or altered.

This guarantee does not apply to products acquired second-hand or for commercial or communal use.
This guarantee does not extend to user control adjustments, battery replacement and aerial adjustment. Any parts replaced under guarantee shall become the property of HITACHI HOME ELECTRONICS (EUROPE) LTD.
Please note that evidence of the date of purchase will be required before service under guarantee is carried out.
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QUICK SET UP GUIDE

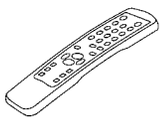
Hitachi video recorder VT-FX940EUKN

Dear Hitachi Customer,

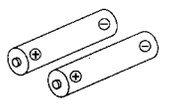
Congratulations on your choice of a Hitachi video recorder. Welcome to our company-wide commitment to your complete statisfaction and viewing enjoyment. Before using your Hitachi video recorder for the first time, we suggest that you spend a few minutes reading these setup instructions.
Even if you have never used a video recorder before, you can probably get your video recorder connected and preset quickly by following this quick set-up guide.

Accessories provided

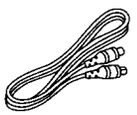
Check and identify the accessories provided.
If any are missing or appear damaged, contact your dealer immediately.



Remote control



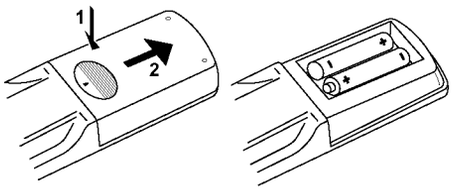
Batteries for remote control



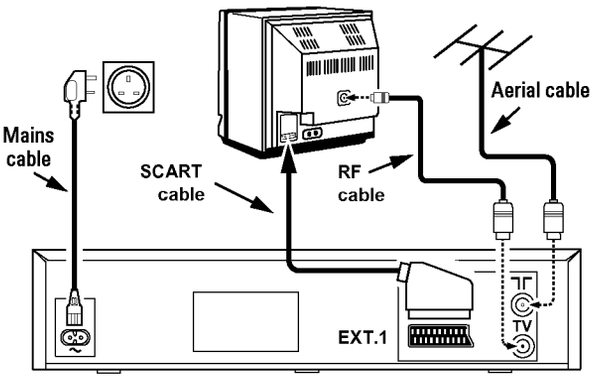
Aerial cable for connecting this video recorder and a TV set.

Mains cable

Fitting the remote control batteries



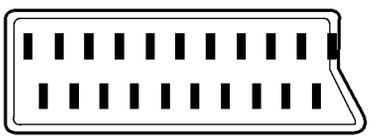
How to connect your video recorder



1. Unplug the aerial cable from your TV set and insert it into the socket at the back of the video recorder.

2. Insert one end of the aerial (RF) cable provided into the TV socket on the video recorder and the other end into the aerial input socket on your TV set.

3. If your television **does not have a scart (AV-Euro) socket** (shown below) or if you do not want to use a scart cable for the connection to your television, please proceed with the next chapter 'Tuning your TV to your video recorder'.



4. Insert the plug of a scart cable into the scart socket AV1 EXT1 at the back of your video recorder. Connect the other plug to the TV set.

5. Insert the small plug of the mains cable into the mains socket ~ at the back of the video recorder. Insert the other end of the mains cable into the wall socket.

6. If your TV set **automatically switches** to programme number e.g.: 'EXT', '0', or 'AV', a welcoming text appears on the TV screen.
   If your TV set does not switch automatically, select the required programme number manually (see instruction manual TV set).

7. Subsequently, read the paragraph 'Initial Installation'.

Tuning your TV to your video recorder

1. Insert the small plug of the mains cable into the mains socket [~] at the back of the video recorder. Insert the other end of the mains cable into the wall socket.

2. Switch on your TV set and select the programme number that you have chosen for video playback (see operating manual for your TV set).

3. The video recorder will now send a welcoming text on UHF-channel CH35 or 583 MHz.

4. Tune in the TV set until this picture appears.

Note: Note that if you were using a video recorder before, you will probably need to retune the 'video channel' on your TV to obtain this picture.

5. When the TV has been tuned in read the paragraph 'Initial Installation'.

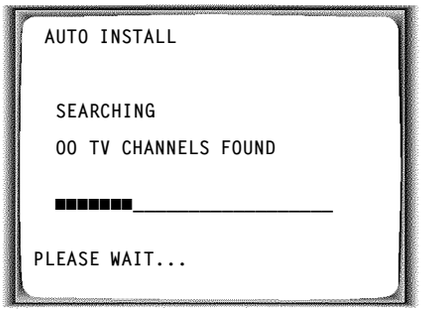
If you experience picture interference, please read 'Reducing picture disturbance ('optimizing the modulator')in the chapter 'ADDITIONAL FUNCTIONS' in the operating manual.

Initial Installation

The video recorder will search for all TV channels.
It stores TV channels found in the following sequence: BBC 1, BBC 2, ITV, CH 4, CH 5, SKY, others.

1. If the aerial (antenna) has been connected, press the [OK] button on the remote control.

2. 'AUTOINSTALL' starts. The video recorder will search for all TV channels.



Wait until all TV channels have been found. This can take several minutes. The video recorder stores the TV channels found in the following sequence: BBC 1, BBC 2, ITV, CH 4, CH 5, SKY, others. **The clock and date information is also set during the Autoinstall process** .

3. When 'AUTOINSTALL' has finished, the message 'READY' will briefly appear on the TV screen.

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